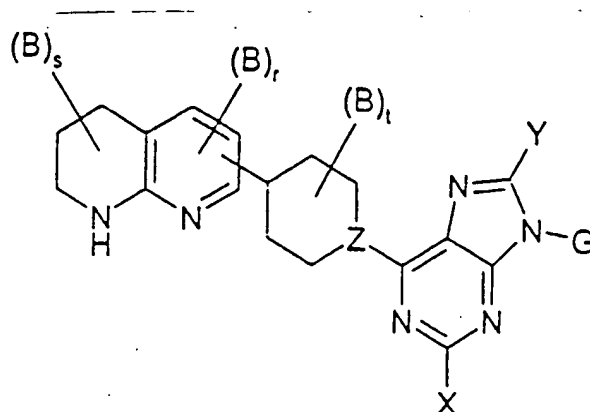


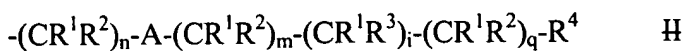
Listing of Claims:

Claim 1 (currently amended) A compound selected from the group consisting of a compound of the formula I



I

in which G is ~~a residue of the formula H~~



A is selected from the group consisting of a direct bond,

$-C(O)NR^5-$, $-NR^5C(O)-$, $-C(O)-$, $-NR^5-$, $-O-$, $-S-$, $-S(O)-$,

$-S(O)_2-$, (C_2-C_4) -alkynediyl, (C_2-C_4) -alkenediyl; and (C_5-C_{14}) -arylene where in the arylene residue one, two, three, four or five ring carbon atoms can be replaced by ~~heteroatoms~~ a heteroatom selected from the ~~series group~~ consisting of nitrogen, oxygen and sulfur, or a divalent residue of a 3-membered to 7-membered saturated or unsaturated ring which can contain one or two ring heteroatoms selected from the ~~series group~~ consisting of nitrogen, sulfur and oxygen and which can be monosubstituted or disubstituted by ~~residues from the series~~ a member selected from the group

consisting of =O, =S and R³;

B is are individually selected from the group consisting of (C₁-C₁₈)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, fluorine, chlorine, bromine, hydroxy, cyano, trifluoromethyl, nitro, hydroxycarbonyl-, (C₁-C₆)-alkoxy, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl-, (C₁-C₆)-alkoxycarbonyl-, (C₁-C₆)-alkylcarbonyl-, (C₅-C₁₄)-arylcabonyl-, (C₁-C₆)-alkylamino-carbonyl-, (C₁-C₆)-alkoxy-(C₁-C₆)-alkoxy-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyl-, (C₁-C₆)-alkanoylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₅-C₁₄)-arylsulfonylamino-, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, aminosulfonyl-, (C₅-C₁₄)-arylsulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl-, (C₅-C₁₄)-aryl or and (C₅-C₁₄)-heteroaryl, ~~where all residues B are independent of one another and can be identical or different;~~

X is selected from the group consisting of hydrogen, NR⁶R^{6'}, fluorine, chlorine, bromine, -OR⁶, -SR⁶, hydroxy-(C₁-C₆)-alkyl-NH-, (hydroxy-(C₁-C₆)-alkyl)₂N-, amino-(C₁-C₆)-alkyl-NH-, (amino-(C₁-C₆)-alkyl)₂N-, hydroxy-(C₁-C₆)-alkyl-O-, hydroxy-(C₁-C₆)-alkyl-S- or and -NH-C(O)-R⁶;

Y is selected from the group consisting of R⁶, fluorine, chlorine, bromine, cyano, -NR⁶R^{6'}-, -OR⁶, -SR⁶ or and hydroxy-(C₁-C₆)-alkyl-NH-;

Z is N or $\begin{array}{c} \diagup \\ \text{CH} \\ \diagdown \end{array}$;

R¹ and R² are individually selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C₁-C₁₀)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-

C_{14})-aryl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-heteroaryl, (C_5 - C_{14})-heteroaryl-(C_1 - C_8)-alkyl-, R^6 -O- R^7 , R^6 -S(O)_p- R^7 , R^6 S(O)₂NHR⁷, R^6 OC(O)NHR⁷ or and $R^6R^{6'}N-R^7$, ~~where all residues R^1 and R^2 are independent of one another and can be identical or different;~~

R^3 is selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C_1 - C_{18})-alkyl, (C_2 to C_{18})-alkenyl, (C_2 to C_{18})-alkenyl (C_3 - C_{14})-cycloalkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-aryl, (C_5 - C_{14})-aryl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-heteroaryl, (C_5 - C_{14})-heteroaryl-(C_1 - C_8)-alkyl-, R^6 -O- R^7 , $R^6R^{6'}N-R^7$, $R^6C(O)$ -O- R^7 , $R^6C(O)R^7$, $R^6OC(O)R^7$, ($R^6N(R^{6'})C(O)OR^7$, $R^6S(O)_pN(R^5)R^7$, $R^6OC(O)N(R^5)R^7$, $R^6C(O)N(R^5)R^7$, $R^6N(R^{6'})C(O)N(R^5)R^7$, $R^6N(R^{6'})S(O)_pN(R^5)R^7$, $R^6S(O)_pR^7$, $R^6SC(O)N(R^5)R^7$, $R^6N(R^{6'})C(O)R^7$ or and $R^6N(R^{6'})S(O)_pR^7$, ~~where alkyl can be mono-unsaturated or poly-unsaturated and where alkyl, cycloalkyl, aryl, and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of~~ R^6 , fluorine, chlorine, bromine, cyano, trifluoromethyl, $R^6R^{6'}NR^7$, nitro, $R^6OC(O)R^7$, $R^6C(O)R^7$, $R^6N(R^{6'})C(O)R^7$, $R^6N(R^{6'})S(O)_pR^7$ or and R^6 -O- R^7 , and where all R^3 s are independent of one another and can be identical or different;

R^4 is selected from the group consisting of -C(O) R^8 , -C(S) R^8 , -S(O)_p R^8 , -S(O)_p R^8 , -P(O) $R^8R^{8'}$ or a residue of and a 4-membered to 8-membered saturated or unsaturated heterocycle which contains 1, 2, 3 or 4 heteroatoms selected from the series group consisting of nitrogen, oxygen and sulfur;

R^5 is selected from the group consisting of hydrogen, (C_1 - C_{10})-alkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14}) aryl or and (C_5 - C_{14})aryl-(C_1 - C_8)-alkyl-, ~~where all residues R^5 are independent of one another and can be identical or different;~~

R^6 and $R^{6'}$ are individually selected from the group consisting of hydrogen, (C_1 - C_{18})-alkyl, (C_3 - C_{14})-cycloalkyl, (C_3 - C_{14})-cycloalkyl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-aryl, (C_5 - C_{14})-aryl-(C_1 - C_8)-alkyl-, (C_5 - C_{14})-

heteroaryl or and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different~~ individual substituents selected from the group series group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, nitro, hydroxycarbonyl-, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl-, (C₁-C₆)-alkoxycarbonyl-, (C₁-C₆)-alkylcarbonyl-, (C₁-C₆)-alkylaminocarbonyl-, (C₁-C₆)-alkoxy-(C₁-C₆)-alkoxy-, (C₅-C₁₄)-arylcarbonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyl-, (C₁-C₆)-alkanoylamino-, (C₅-C₁₄)-arylsulfonylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, (C₁-C₆)-alkylaminosulfonyl-, (C₅-C₁₄)-arylaminosulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylaminosulfonyl-, (C₅-C₁₄)-arylsulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, ~~and where all residues R⁶ and R^{6'} are independent of one another and can be identical or different;~~

R⁷ is (C₁-C₄)-alkanediyl or a direct bond, where all residues R⁷ are independent of one another and can be identical or different;

R⁸ and R^{8'} are individually selected from the group consisting of hydroxy, (C₁-C₈)-alkoxy, (C₅-C₁₄)-aryl-(C₁-C₈)-alkoxy-, (C₅-C₁₄)-aryloxy, (C₁-C₈)-alkylcarbonyloxy-(C₁-C₄)-alkoxy-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyloxy-(C₁-C₈)-alkoxy-, NR⁶R^{6'}, (di-((C₁-C₈)-alkyl)amino)carbonylmethyloxy-, (di-((C₅-C₁₄)-aryl-(C₁-C₈)-alkyl)amino)carbonylmethyloxy-, (C₅-C₁₄)-aryl-amino-, ~~the residue of an amino acid, N-((C₁-C₄)-alkyl)piperidin-4-yloxy-, 2-methylsulfonylethoxy-, 1,3-thiazol-2-ylmethyloxy-, 3-pyridylmethyloxy-, 2-(di-((C₁-C₄)-alkyl)amino)-ethoxy or and the residue Q⁻ (CH₃)₃N⁺-CH₂-CH₂-O- in which Q⁻ is a physiologically tolerable anion, where all residues R⁸ and R^{8'} are independent of one another and can be identical or different;~~

n is zero, one, two, three, four or five;

m is zero, one, two, three, four or five;

i is zero or one;

q is zero, one or two;

r is zero, one or two;

s is zero, one, two or three;

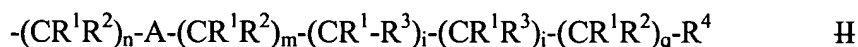
t is zero, one, two, three, four, five, six, seven or eight;

p is zero, one or two, where all numbers p are independent of one another and can be identical or different;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts ~~and their prodrugs~~;

where, instead of the purine structure shown in formula I, also a 3-deazapurine structure, a 7-deazapurine structure or a 7-deaza-8-azapurine structure can be present.

Claim 2 (currently amended) A compound of ~~the formula I as claimed in claim 1, in which~~ wherein G is ~~a residue of the formula H~~



A is selected from the group consisting of a direct bond,

-C(O)NR⁵-, -NR⁵C(O)-, -C(O)-, -NR⁵-, -O-, -S-, -S(O)-, -S(O)₂-, (C₂-C₄)-alkynediyl, (C₂-C₄)-alkenediyl, (C₅-C₁₄)-arylene where in the arylene residue one, two, three, four or five ring carbon atoms can be replaced by ~~heteroatoms~~ a heteroatom selected from the series group consisting of nitrogen, oxygen and sulfur, ~~or~~ and a divalent residue of a 3-membered to 7-membered saturated or

unsaturated ring which can contain one or two ring heteroatoms selected from the series group consisting of nitrogen, sulfur and oxygen and which can be monosubstituted or disubstituted by residues a member selected from the series group consisting of =O, =S and R³;

B is selected from the group consisting of (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, fluorine, chlorine, bromine, hydroxy, cyano, trifluoro-methyl, nitro, hydroxycarbonyl-, (C₁-C₆)-alkoxy, (C₁-C₆)-alkoxy-(C₁-C₆)-alkyl-, (C₁-C₆)-alkylcarbonyl-, (C₅-C₁₄)-arylcarbonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylcarbonyl-, (C₁-C₆)-alkylaminocarbonyl-, (C₁-C₆)-alkanoylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₅-C₁₄)-aryl-sulfonylamino-, (C₁-C₁₄)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, (C₅-C₁₄)-arylsulfonyl-, (C₅-C₁₄)-aryl-(C₁-C₈)-alkylsulfonyl-, (C₅-C₁₄)-aryl ~~or~~ and (C₅-C₁₄)-heteroaryl, where all residues B_s are independent of one another and can be identical or different;

X is selected from the group consisting of hydrogen, NH₂, -NH-C(O)-R⁶ ~~or~~ and OH;

Y is hydrogen;

Z is N;

R¹ and R² ~~are independently of one another~~ are selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C₁-C₁₀)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl-, R⁶-O-R⁷, R⁶S(O)₂NHR⁷, R⁶OC(O)NHR⁷ ~~or~~ and R⁶R^{6'}N-R⁷, ~~where all residues R¹ and R² are independent of one another and can be identical or different;~~

R^3 is selected from the group consisting of hydrogen, fluorine, chlorine, cyano, nitro, (C_1-C_{18}) -alkyl, (C_2-C_{18}) -alkenyl, (C_2-C_{18}) -alkynyl, (C_3-C_{14}) -cycloalkyl, (C_3-C_{14}) -cycloalkyl- (C_1-C_8) -alkyl, (C_5-C_{14}) -aryl, (C_5-C_{14}) -aryl- (C_1-C_8) -alkyl-, (C_5-C_{14}) -heteroaryl, (C_5-C_{14}) -heteroaryl- (C_1-C_8) -alkyl-, R^6 -O- R^7 , $R^6R^6N-R^7$, $R^6C(O)-O-R^7$, $R^6C(O)R^7$, $R^6N(R^6)C(O)OR^7$, $R^6S(O)_pN(R^5)R^7$, $R^6OC(O)N(R^5)R^7$, $R^6C(O)N(R^5)R^7$, $R^6N(R^6)C(O)N(R^5)R^7$, $R^6N(R^6)S(O)_pN(R^5)R^7$, $R^6S(O)_pR^7$, $R^6SC(O)N(R^5)R^7$, $R^6N(R^6)C(O)R^7$ ~~or and~~ $R^6N(R^6)S(O)_pR^7$, ~~where alkyl can be mono-unsaturated or poly-unsaturated and~~ where alkyl, cycloalkyl, aryl and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of R^6 , fluorine, chlorine, bromine, cyano, trifluoromethyl, $R^6R^6NR^7$, nitro, $R^6OC(O)R^7$, $R^6C(O)R^7$, $R^6N(R^6)C(O)R^7$, $R^6N(R^6)S(O)_pR^7$ ~~or and~~ R^6-O-R^7 , and where all residues R^3 are independent of one another and can be identical or different;

R^4 is $-C(O)R^8$ or $-P(O)R^8R^8$;

R^5 is selected from the group consisting of hydrogen, (C_1-C_{10}) -alkyl, (C_3-C_{14}) -cycloalkyl- (C_1-C_8) -alkyl- ~~or and~~ (C_5-C_{14}) -aryl- (C_1-C_8) -alkyl-, where all residues R^5 are independent of one another and can be identical or different;

R^6 and R^6 are individually selected from the group consisting of hydrogen, (C_1-C_{12}) -alkyl, (C_3-C_{14}) -cycloalkyl, (C_3-C_{14}) -cycloalkyl- (C_1-C_8) -alkyl-, (C_5-C_{14}) -aryl, (C_5-C_{14}) -aryl- (C_1-C_8) -alkyl-, (C_5-C_{14}) -heteroaryl ~~or and~~ (C_5-C_{14}) -heteroaryl- (C_1-C_8) -alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different~~ individual substituents selected from the series group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, nitro, hydroxycarbonyl-, (C_1-C_6) -alkyl, (C_1-C_6) -alkoxy-, (C_1-C_6) -alkoxy- (C_1-C_6) -alkoxy- (C_1-C_6) -alkyl,

(C₅-C₁₄)-arylcarbonyl-, (C₅-C₁₄)-aryl-(C₁-C₆)-alkylcarbonyl-, (C₁-C₆)-alkanoylamino-, (C₅-C₁₄)-arylsulfonylamino-, (C₁-C₆)-alkylsulfonylamino-, (C₁-C₆)-alkylamino-, di((C₁-C₆)-alkyl)amino-, (C₁-C₆)-alkylsulfonyl-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where all residues R₆ and R_{6'} are independent of one another and can be identical or different;

R⁷ is (C₁-C₄)-alkanediyl or a direct bond, where all residues R⁷ are independent of one another and can be identical or different;

R⁸ and R^{8'} are individually selected from the group consisting of (C₁-C₈)-alkoxy, (C₅-C₁₄)-aryl-(C₁-C₈)-alkoxy-, (C₁-C₈)-alkylcarbonyloxy-(C₁-C₄)-alkoxy- ~~or~~ and NR⁶R^{6'} where all residues R⁸ and R^{8'} are independent of one another and can be identical or different;

n is zero, one, two, three, four or five;

m is zero, one, two, three, four or five;

i is zero or one;

q is zero, one or two;

r is zero, one or two;

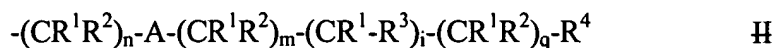
s is zero, one, two or three;

t is zero, one, two, three, four, five, six, seven or eight;

p is zero, one or two, where all numbers p are independent of one another and can be identical or different;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts ~~and their prodrugs~~.

Claim 3 (currently amended) A compound of ~~the formula I as claimed in claims 1 and/or 2, in which claim 1 wherein G is a residue of the formula II~~



A is selected from the group consisting of a direct bond, $-\text{C}(\text{O})\text{NR}^5-$, $-\text{NR}^5\text{C}(\text{O})-$, $-\text{C}(\text{O})-$, $-\text{NR}^5-$ or and $(\text{C}_5-\text{C}_{14})$ -arylene where in the arylene residue, one or two ring carbon atoms can be replaced by ~~heteroatoms~~ a heteroatom selected from the series group consisting of nitrogen, oxygen and sulfur;

B is selected from the group consisting of (C_1-C_6) -alkyl, chlorine, hydroxy, cyano, trifluoromethyl, (C_1-C_6) -alkoxy, (C_1-C_6) -alkylcarbonyl-, (C_1-C_6) -alkanoylamino-, (C_1-C_6) -alkylamino or and $\text{di}((\text{C}_1-\text{C}_6)\text{-alkyl})\text{amino-}$, where all residues B_i are independent of one another and can be identical or different;

X is hydrogen;

Y is hydrogen;

Z is N;

R^1 and R^2 are individually selected from the group consisting of hydrogen, (C_1-C_4) -alkyl, $\text{R}^6\text{S}(\text{O})_2\text{NHR}^7$ or and $\text{R}^6\text{OC}(\text{O})\text{NHR}^7$, where all residues R^1 and R^2 are independent of one another and can be identical or different;

R^3 is selected from the group consisting of hydrogen, $(\text{C}_1-\text{C}_{12})$ -alkyl, $(\text{C}_2 \text{ to } \text{C}_{18})$ -alkenyl, $(\text{C}_2-\text{C}_{18})$ -

alkynyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₆)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₆)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-(C₁-C₆)-alkyl-, R⁶R^{6'}N-R⁷, R⁶S(O)₂N(R⁵)R⁷, R⁶OC(O)N(R⁵)R⁷ ~~or~~ and R⁶C(O)N(R⁵)R⁷, ~~where alkyl can be mono unsaturated or poly unsaturated and~~ where alkyl, cycloalkyl, aryl, and heteroaryl can be monosubstituted or polysubstituted by a member selected from the group consisting of R⁶, fluorine, chlorine, trifluoromethyl, R⁶C(O)R⁷ ~~or~~ and R⁶-O-R⁷;

R⁴ is -C(O)R⁸;

R⁵ is hydrogen or (C₁-C₄)-alkyl, where all residues R_{5s} are independent of one another and can be identical or different;

R⁶ and R^{6'} are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl ~~or~~ and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different substituents from the series consisting of~~ members selected from the group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy-, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where all residues R_{6s} and R_{6's} are independent of one another and can be identical or different;

R⁷ is (C₁-C₂)-alkanediyl or a direct bond, where all residues R_{7s} are independent of one another and can be identical or different;

R⁸ is hydroxy or (C₁-C₆)-alkoxy;

n is zero, one, two, three, four or five;

m is zero or one;

i is zero or one;

q is zero or one;

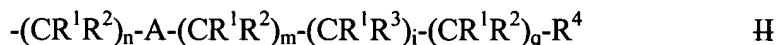
r is zero or one;

s is zero, one or two;

t is zero, one, two, three or four;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic physiologically tolerable salts ~~and their prodrugs~~.

Claim 4 (currently amended) A compound of ~~the formula I as claimed in one or more of claims 1 to 3, in which~~ claim 1 wherein G is a residue of the formula H



A is a direct bond;

B is (C₁-C₆)-alkyl or hydroxy, where all residues B_s are independent of one another and can be identical or different;

X is hydrogen;

Y is hydrogen;

Z is N;

R^1 and R^2 are individually selected from the group consisting of hydrogen, (C₁-C₄)-alkyl, $R^6S(O)_2NHR^7$ ~~or~~ and $R^6OC(O)NHR^7$; ~~where all residues R^1 and R^2 are independent of one another and can be identical or different;~~

R^3 is selected from the group from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, ~~(C₂-C₁₂)-alkenyl, (C₂-C₁₂)-alkynyl,~~ (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₆)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₆)-alkyl-, (C₅-C₁₄)-heteroaryl, (C₅-C₁₄)-heteroaryl-C₁-C₆-alkyl-, $R^6R^6N-R^7$, $R^6S(O)_2N(R^5)R^7$, $R^6OC(O)N(R^5)R^7$ ~~or~~ and $R^6C(O)N(R^5)R^7$, ~~where alkyl can be mono-unsaturated or poly-unsaturated and~~ where alkyl, cycloalkyl, aryl and heteroaryl can be monosubstituted or polysubstituted by at least one member selected from the group consisting of R^6 , fluorine, chlorine, trifluoromethyl, $R^6C(O)R^7$ ~~or~~ and R^6-O-R^7 ;

R^4 is $-C(O)R^8$;

R^5 is hydrogen or (C₁-C₄)-alkyl;

R^6 and $R^{6'}$ are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl or (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different substituents~~ at least one substituent selected from the series group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkylamino, di((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-

heteroaryl, and where all R⁶'s and R⁶'s are independent of one another and can be identical or different;

R⁷ is a direct bond;

R⁸ is hydroxy or (C₁-C₄)-alkoxy;

n is zero, one or two;

m is zero or one;

i is zero or one;

q is zero or one;

r is zero or one;

s is zero, one or two;

t is zero;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts ~~and their prodrugs~~.

Claim 5 (currently amended) A compound of ~~the formula I as claimed in one or more of claims 1 to 4, which is a claim 1 wherein~~ G is a residue of the formula II



A is a direct bond;

X is hydrogen;

Y is hydrogen;

Z is N;

R^1 and R^2 are hydrogen or (C₁-C₂)-alkyl, where all R^1 s and R^2 s are independent of one another and can be identical or different;

R^3 is selected from the group consisting of $R^6R^6N-R^7$, $R^6S(O)_2N(R^5)R^7$ ~~or~~ and $R^6C(O)N(R^5)R^7$;

R^4 is -C(O) R^8 ;

R^5 is hydrogen or (C₁-C₂)-alkyl;

R^6 and $R^{6'}$ are individually selected from the group consisting of hydrogen, (C₁-C₁₂)-alkyl, (C₃-C₁₄)-cycloalkyl, (C₃-C₁₄)-cycloalkyl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl, (C₅-C₁₄)-aryl, (C₅-C₁₄)-aryl-(C₁-C₈)-alkyl-, (C₅-C₁₄)-heteroaryl ~~or~~ and (C₅-C₁₄)-heteroaryl-(C₁-C₈)-alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different substituents~~ at least one substituent selected from the ~~series~~ group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C₁-C₆)-alkyl, (C₁-C₆)-alkoxy, (C₁-C₆)-alkylamino-, di-((C₁-C₆)-alkyl)amino-, (C₅-C₁₄)-aryl and (C₅-C₁₄)-heteroaryl, and where the R^6 s and $R^{6'}$ s are independent of one another and can be identical or different;

R^7 is a direct bond;

R⁸ is hydroxy or (C₁-C₄)-alkoxy;

n is zero, one or two;

m is zero or one;

i is zero or one;

q is zero or one;

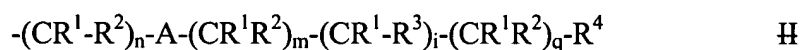
r is zero;

s is zero;

t is zero;

in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts ~~and their prodrugs~~.

Claim 6 (currently amended) A compound of the formula I as ~~claimed in one or more of claims 1 to 5, which is a claim 1~~ wherein G is a residue of the formula II



A is a direct bond;

X is hydrogen;

Y is hydrogen;

Z is N;

R_1 and R^2 are hydrogen;

R^3 is $R^6S(O)_2N(R^5)R^7$ or $R^6OC(O)N(R^5)R^7$;

R^4 is $-C(O)R^8$;

R^5 is hydrogen;

R^6 is selected from the group consisting of (C_1-C_{12}) -alkyl, (C_3-C_{14}) -cycloalkyl, (C_3-C_{14}) -cycloalkyl- (C_1-C_8) -alkyl-, (C_5-C_{14}) -aryl, (C_5-C_{14}) -aryl- (C_1-C_8) -alkyl-, (C_5-C_{14}) -heteroaryl or and (C_5-C_{14}) -heteroaryl- (C_1-C_8) -alkyl- where aryl, heteroaryl, cycloalkyl and alkyl can be substituted one, two or three times by ~~identical or different substituents~~ at least one substituent selected from the series group consisting of fluorine, chlorine, bromine, cyano, trifluoromethyl, (C_1-C_6) -alkyl, (C_1-C_6) -alkoxy, (C_1-C_6) -alkylamino, di- $((C_1-C_6)$ -alkyl)amino-, (C_5-C_{14}) -aryl and (C_5-C_{14}) -heteroaryl;

R^7 is a direct bond;

R^8 is hydroxy or (C_1-C_4) -alkoxy;

n is one;

m is zero;

i is one;

q is zero;

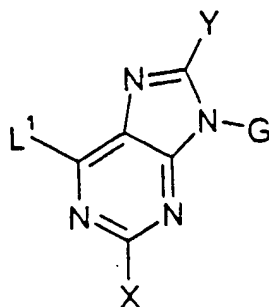
r is zero;

s is zero;

t is zero;

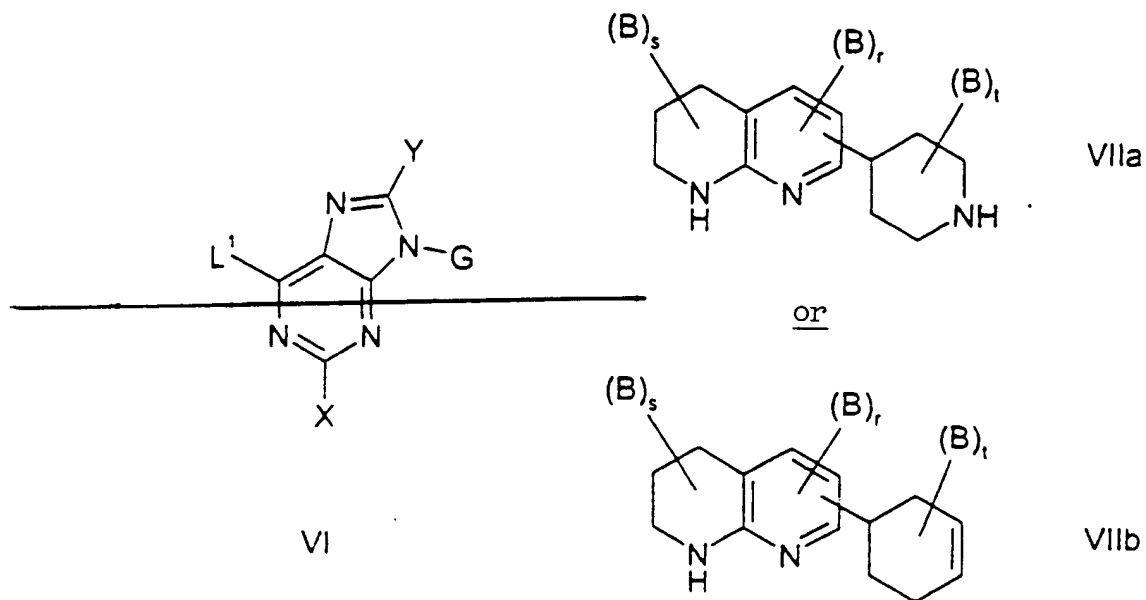
in all their stereoisomeric forms and mixtures thereof in all ratios, and their non-toxic, physiologically tolerable salts ~~and their prodrugs~~.

Claim 7 (currently amended) A process for the preparation of a compound ~~as claimed in one or more of claims 1 to 6, of claim 1~~ comprising reacting a compound of the formula VI



VI

with a compound of the of formula VIIa or ~~with a compound of the~~ formula VIIb



wherein L^1 is a leaving group and B, G, X, Y, r, s and t are defined as in ~~claims 1 to 6~~ claim 1 but wherein functional groups can also be present in the form of precursor groups or in protected form.

Claim 8 (currently amended) A pharmaceutical composition, comprising ~~at least one~~ an amount of ~~a compound of the formula I as claimed in one or more of claims 1 to 6 and/or its physiologically tolerable salts and/or its prodrugs~~ claim 1 sufficient to act as a vitronectin receptor antagonist and a pharmaceutically acceptable carrier.

Claims 9-10 (cancelled)